Example: Li (2013)

HSROC

Yi

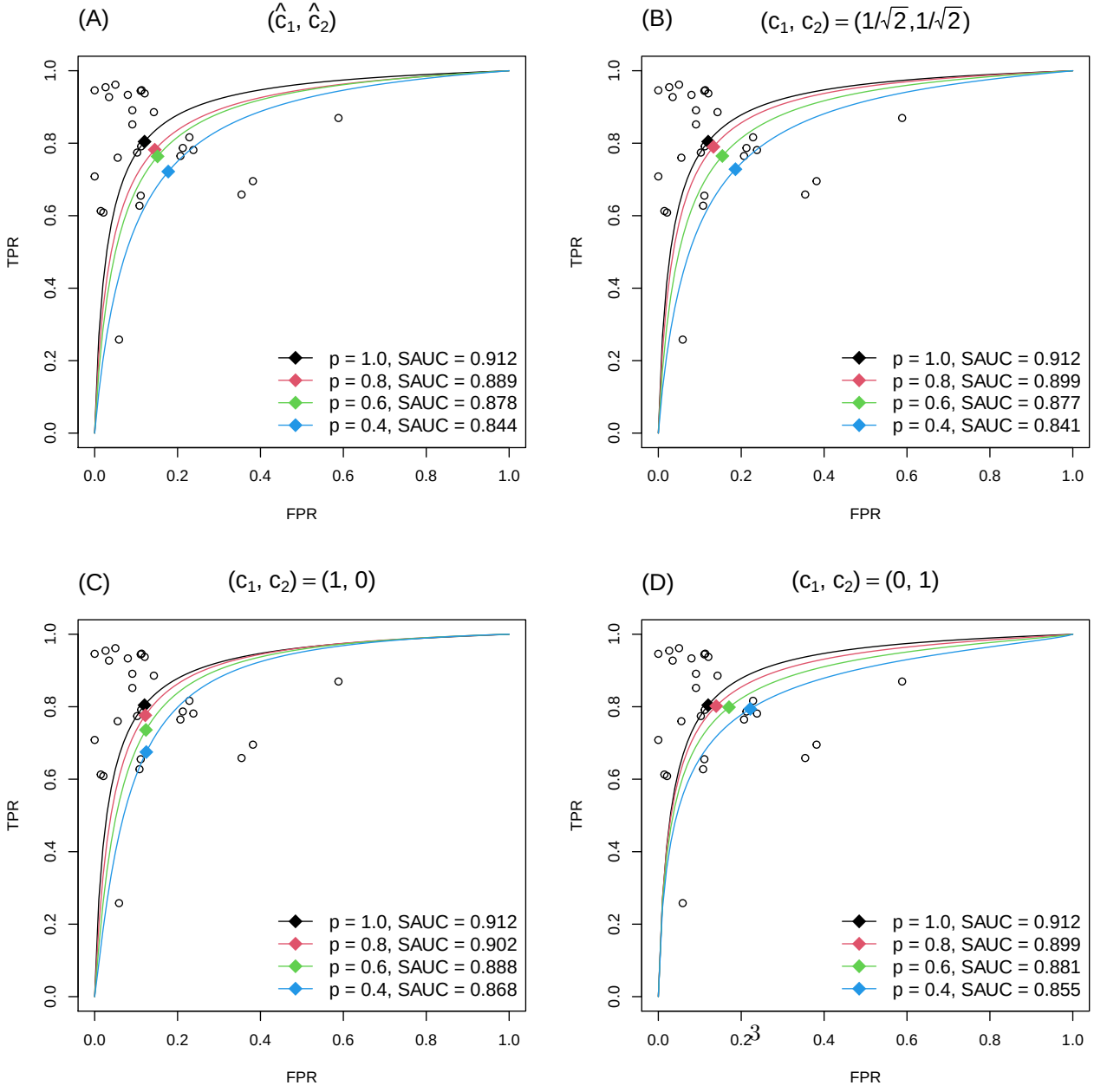
2022-01-16

Table 1: CD64 example: the estimation under four selective publication mechanisms

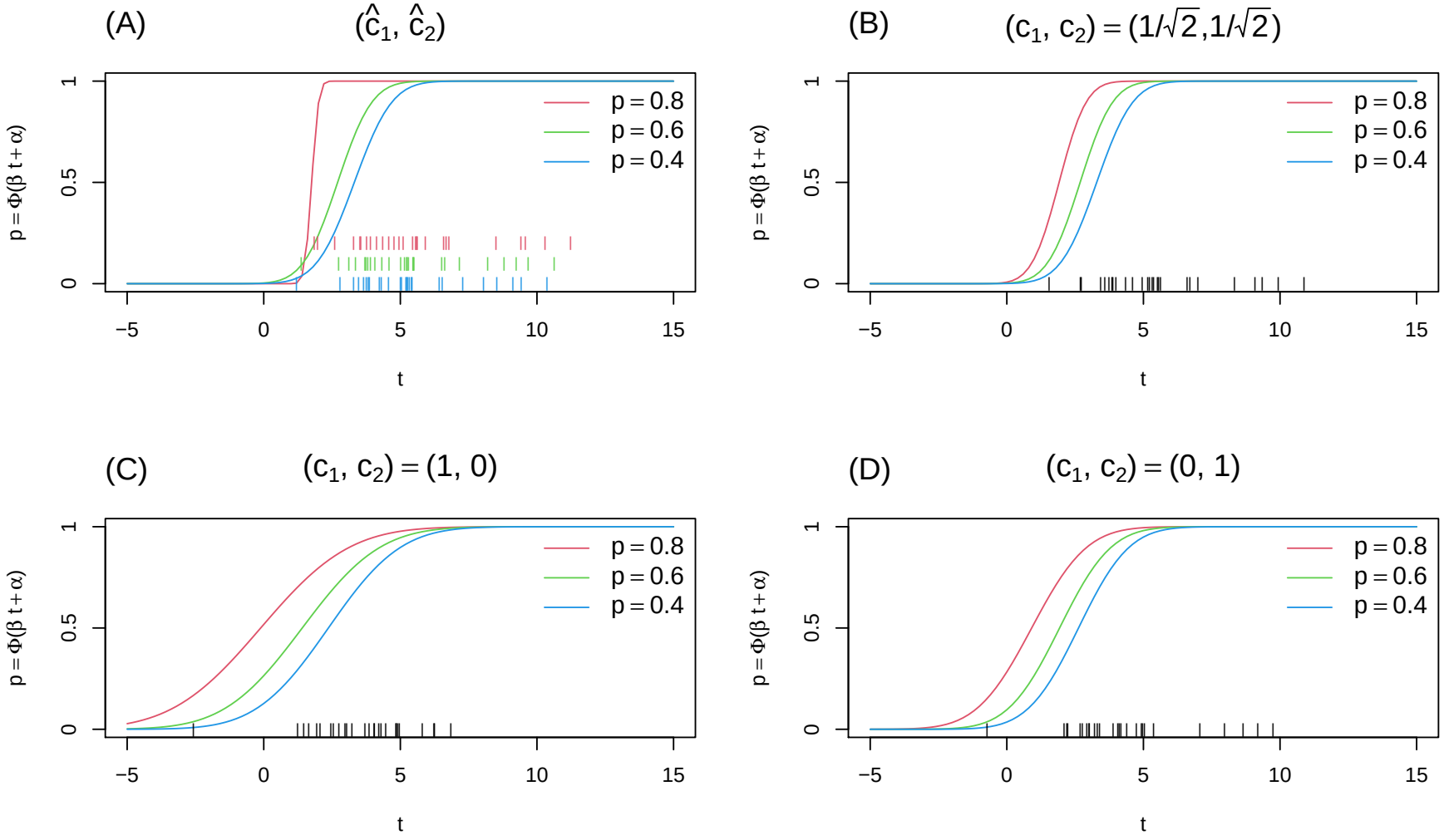
(c_1, c_2)	p	SAUC (95%CI)	Se (95%CI)	Sp (95%CI)	β (95%CI)	α_p	μ_1	μ_2	τ_1	τ_2	ρ
$(\hat{c}_1, \hat{c}_2)$	1.0	0.91 (0.87, 0.94)	0.80 (0.74, 0.85)	0.88 (0.83, 0.92)			1.41	1.99	0.79	0.85	0.13
	0.8	0.89 (0.85, 0.92)	0.78 (0.72, 0.83)	0.86 (0.81, 0.89)	5.00 (-16.84, 26.84)	-8.77	1.28	1.77	0.85	0.94	0.30
	0.6	0.88 (0.82, 0.92)	0.76 (0.69, 0.82)	0.85 (0.79, 0.89)	1.00 (0.11, 1.89)	-2.71	1.17	1.72	0.86	0.89	0.29
	0.4	0.84 (0.76, 0.90)	0.72 (0.62, 0.80)	0.82 (0.74, 0.88)	0.92 (0.33, 1.50)	-3.04	0.95	1.53	0.89	0.90	0.35
$(0.7, 0.7)$	1.0	0.91 (0.87, 0.94)	0.80 (0.74, 0.85)	0.88 (0.83, 0.92)			1.41	1.99	0.79	0.85	0.13
	0.8	0.90 (0.86, 0.93)	0.79 (0.73, 0.84)	0.87 (0.82, 0.90)	1.27 (-0.18, 2.73)	-2.43	1.33	1.87	0.83	0.88	0.22
	0.6	0.88 (0.82, 0.92)	0.76 (0.69, 0.82)	0.85 (0.79, 0.89)	1.06 (0.13, 1.99)	-2.84	1.18	1.70	0.85	0.90	0.30
	0.4	0.84 (0.76, 0.90)	0.73 (0.63, 0.81)	0.81 (0.73, 0.88)	0.95 (0.29, 1.62)	-3.14	0.99	1.48	0.88	0.92	0.36
$(1, 0)$	1.0	0.91 (0.87, 0.94)	0.80 (0.74, 0.85)	0.88 (0.83, 0.92)			1.41	1.99	0.79	0.85	0.13
	0.8	0.90 (0.86, 0.93)	0.78 (0.71, 0.83)	0.88 (0.83, 0.92)	0.39 (-0.01, 0.79)	0.04	1.24	1.97	0.87	0.86	0.12
	0.6	0.89 (0.84, 0.92)	0.74 (0.65, 0.81)	0.88 (0.82, 0.92)	0.45 (0.12, 0.78)	-0.63	1.03	1.96	0.93	0.86	0.11
	0.4	0.87 (0.80, 0.92)	0.67 (0.54, 0.78)	0.88 (0.80, 0.92)	0.48 (0.19, 0.77)	-1.14	0.73	1.95	0.99	0.86	0.08
$(0, 1)$	1.0	0.91 (0.87, 0.94)	0.80 (0.74, 0.85)	0.88 (0.83, 0.92)			1.41	1.99	0.79	0.85	0.13
	0.8	0.90 (0.85, 0.93)	0.80 (0.74, 0.85)	0.86 (0.81, 0.90)	0.63 (-0.00, 1.27)	-0.57	1.40	1.82	0.79	0.93	0.13
	0.6	0.88 (0.82, 0.92)	0.80 (0.73, 0.85)	0.83 (0.76, 0.88)	0.67 (0.21, 1.14)	-1.30	1.38	1.58	0.80	0.99	0.13
	0.4	0.85 (0.77, 0.91)	0.79 (0.71, 0.86)	0.78 (0.66, 0.86)	0.69 (0.26, 1.12)	-1.80	1.35	1.26	0.80	1.07	0.14

TABLE: ESTIMATES

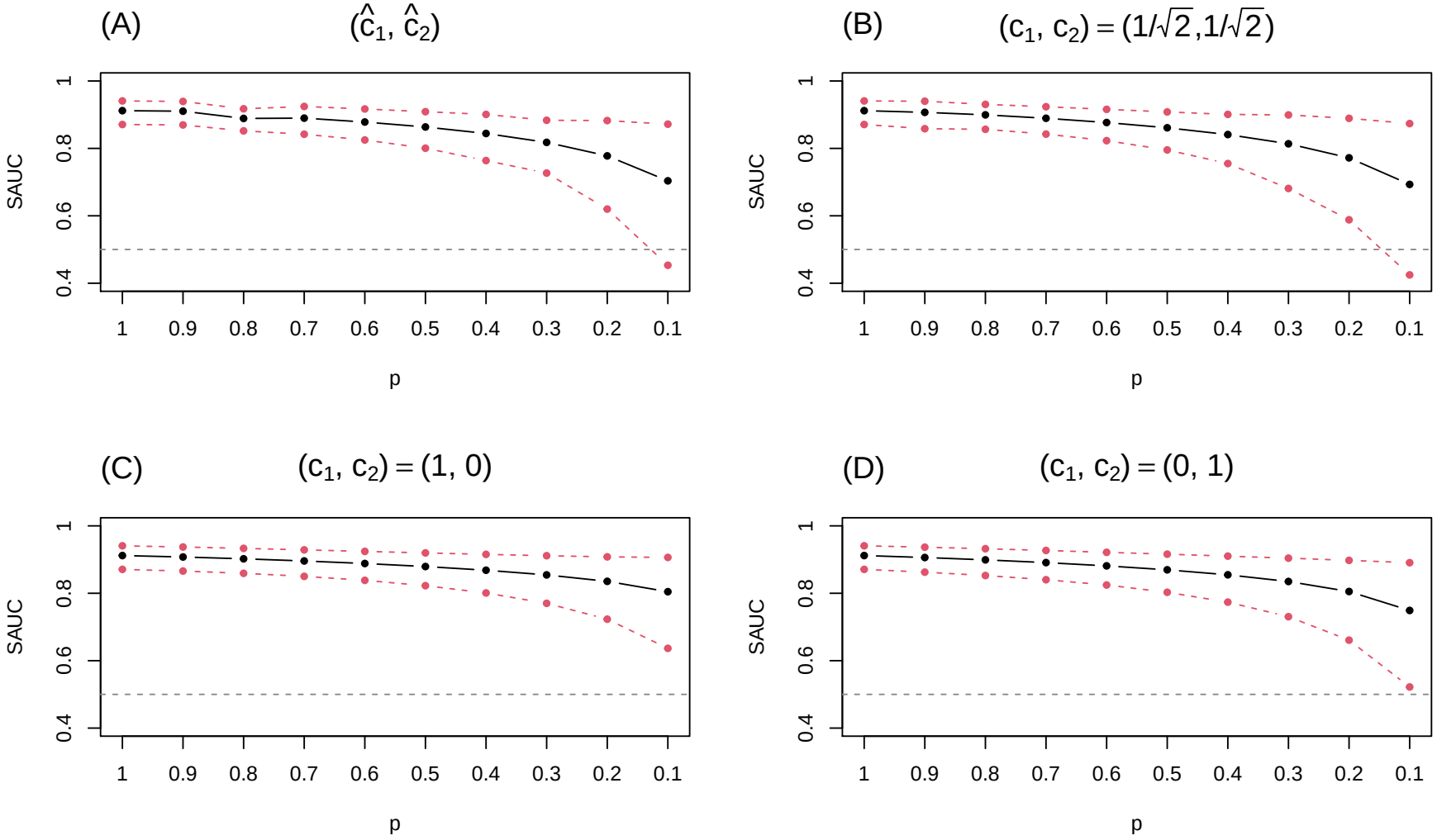
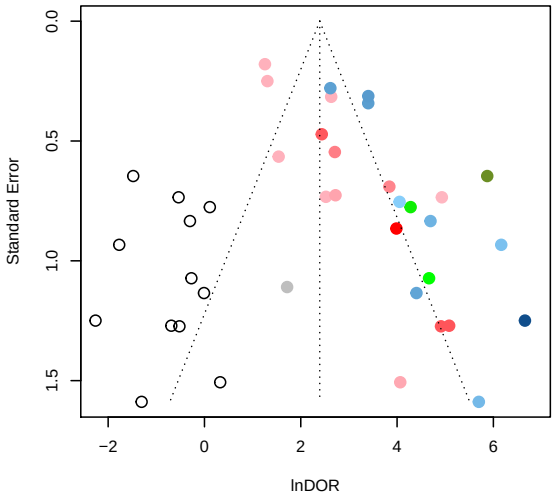
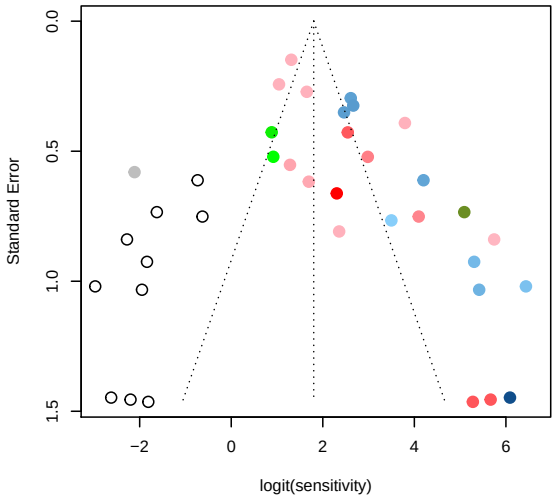
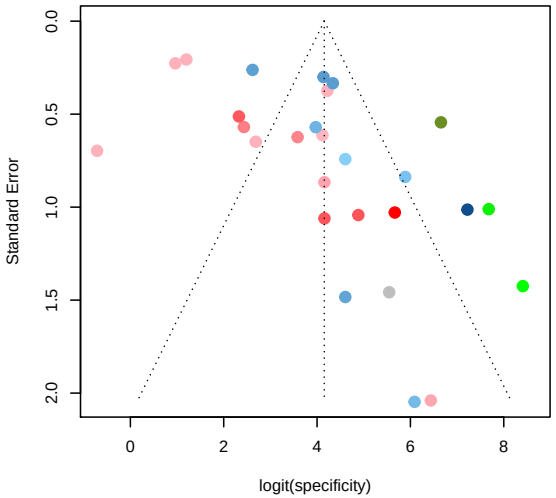
PLOT: SROC curve



PLOT: Probit of α and β



PLOT: SAUC matplot



PLOT: Funnel plot